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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/605,757	10/23/2003	Wayne Kinney	UNTYP025	2756
42958 7	590 11/24/2004		EXAMINER	
UNITY SEMICONDUCTOR CORPORATION			HO, TU TU V	
250 NORTH W SUNNYVALE	-		ART UNIT PAPER NUMBER	
OCTATE VILLE	,, 011 7 1003	•	2818	
			DATE MAILED: 11/24/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	10/605,757 Examiner Tu-Tu Ho	KINNEY ET AL. Art Unit				
	Tu-Tu Ho	Art Unit				
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The MAILING DATE of this communication appearage appearage of the second for Reply	ars on the cover sneet with the c	orrespondence addres	S			
 A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply well find period for reply is specified above, the maximum statutory period will. Failure to reply within the set or extended period for reply will, by statute, can any reply received by the Office later than three months after the mailing deerned patent term adjustment. See 37 CFR 1.704(b). 	(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days apply and will expire SIX (6) MONTHS from ause the application to become ABANDONE	ely filed s will be considered timely. the mailing date of this commur O (35 U.S.C. § 133).	nication.			
Status						
1) Responsive to communication(s) filed on 23 Oct	ober 2003.					
2a) ☐ This action is FINAL . 2b) ☑ This a	This action is FINAL. 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex	parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims		•				
 4) Claim(s) 1-45 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-45 are subject to restriction and/or elected. 						
Application Papers						
9) The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the dr						
Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Exa	•					
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign p a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priorit application from the International Bureau * See the attached detailed Office action for a list of	have been received. have been received in Applicati by documents have been received. (PCT Rule 17.2(a)).	on No ed in this National Stag	ge			
Attachment(s)	 -					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	4) L Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		2)			

DETAILED ACTION

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Election/ Restriction

Claims 1-45 are pending in this application.

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-32, drawn to a conductive memory device, classified in class 257, subclass 295.
 - II. Claims 33-45, drawn to a method of making a conductive memory device, classified in class 438, subclass 3.
- Claim 33 link(s) inventions I and II. The restriction requirement between the linked inventions is subject to the nonallowance of the linking claim(s), claim 33. Upon the allowance of the linking claim(s), claim 33, the restriction requirement as to the linked inventions shall be withdrawn and any claim(s) depending from or otherwise including all the limitations of the allowable linking claim(s) will be entitled to examination in the instant application. Applicant(s) are advised that if any such claim(s) depending from or including all the limitations of the allowable linking claim(s) is/are presented in a continuation or divisional application, the claims of the continuation or divisional application may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Where a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. In re Ziegler, 44 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

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3. The inventions are distinct, each from the other because of the following reasons: Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case unpatentability of Invention I would not necessarily imply unpatentability of Invention II, since the device of Invention I could be made by processes materially different from those of Invention II; and unpatentability of Invention II would not necessarily imply unpatentability of Invention I, since the process as claimed can be used to make other and materially different product. For example, the device of claims 1 and 4 of Invention I could be made by forming the first and third conductive metal oxide layers both having the same n-type or p-type, which is different from forming the first (bottom) and third conductive metal oxide layers having opposite types of ntype and p-type as recited in claims 33 and 36 of Invention II; and the process as recited in claim 33 could be used to make a contact for a nonvolatile conductive memory element having a pair of source/drains, a floating gate, and a control gate, the contact comprising bottom and top conductive metal oxide layers, the bottom conductive metal oxide layer stacked upon the control gate, and the resistance of the conductive memory element can be modified during operation to store information by applying a suitable voltage potential across the floating gate and the control gate, which is different from a conductive memory device comprising a bottom (first) conductive metal oxide layer stacked upon a first electrode as recited in claim 1 or claim 27 of Invention I.

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- Because these inventions are distinct for the reasons given above and have acquired a 4. separate status in the art because of their different classification and their recognized divergent subject matter, restriction for examination purposes as indicated is proper.
- 5. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- Applicant is reminded that upon the cancellation of claims to a non-elected invention, the 6. inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently filed petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(h).
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu-Tu Ho whose telephone number is (571) 272-1778. The examiner can normally be reached on 6:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications Application/Control Number: 10/605,757

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tu-Tu Ho

November 18, 2004